

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Applicant(s): UCHIDA et al.	Atty. Dkt.: 12-022-DIV
Serial No.: Unknown	Group Art Unit:
Filed: Concurrently herewith	Examiner:
Title: SCROLL COMPRESSOR	

Commissioner for Patents
Arlington, VA 22202

Date: October 7, 2003

INFORMATION DISCLOSURE STATEMENT

Sir:

Pursuant to 37 C.F.R. §1.56, the reference(s) listed on the attached Form PTO-1449 is/are submitted for consideration by the Examiner without any admission that it/they constitute(s) statutory prior art, or without any admission that it/they contain(s) subject matter that anticipates the invention or renders the invention obvious to a person of ordinary skill in the art.

The Examiner is requested to initial the attached PTO Form-1449 and to return a copy of same to the undersigned attorney as proof that the listed reference(s) has/have been considered and made of record.

Respectfully submitted,


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FORM PTO-1449	ATTY. DKT NO.	12-022-DIV	SER. NO.
	APPLICANT	UCHIDA et al.	
	FILING DATE	October 7, 2003	GROUP

REFERENCE DESIGNATION

U.S. PATENT DOCUMENTS

EXAMINER INITIAL		DOCUMENT NUMBER	DATE	NAME	CLASS	SUB CLASS
		5,588,820	12-1996	Hill et al.		
		5,346,376	09-1994	Bookbinder et al.		
		4,600,369	07-1986	Blain, Edward S.		
		4,645,437	02-1987	Sakashita et al.		
		4,993,928	02-1991	Fraser, Jr. Howard H		
		5,145,345	09-1992	Barito et al.		
		5,447,418	09-1995	Takeda et al.		

FOREIGN PATENT DOCUMENTS

TRANSLATION

		DOCUMENT NUMBER	DATE	COUNTRY	NAME	CLASS	SUB CLASS	YES	NO
		JP-A-2-176178 * (Discussed on page 1 of the spec.)	7/9/90	JAPAN				X	
		JP-A-9-310687 * (Discussed on page 1 of the spec.)	12/2/97	JAPAN				X	
		JP-A-2000-249086 * (Discussed on page 3 of the spec.)	9/12/00	JAPAN				X	

* Full English text of the JP Document will be available in machine-translated form from JP (Japanese Patent Office) English language web site at <http://www1.ipdl.jpo.go.jp/PA1/cgi-bin/PA1INDEX>.

OTHER REFERENCES (including Author, Title, Date, Pertinent Pages, etc.)

EXAMINER		DATE CONSIDERED